

What is Claimed is:

1. A remote medical data transfer system in which data from one or more IMDs in a patient is transferred to a remote server or physician, the data transfer system comprising:

5 an IRM in wireless communication with the one or more IMDs;

an EPR containing long term barometric pressure data; and

a data transfer medium in operable communications with the IRM;

10 said IRM having engagement means to download said barometric data from the EPR and further implementing the wireless communication to uplink the one or more IMDs to transfer patient data in real time and to thereby integrate the patient data and the EPR for transmission to the remote server or physician via said data transfer medium.

15 2. The data transfer system of claim 1 wherein said IRM includes telemetry hardware and software and promotes ease of use by the patient.

20 3. The data transfer system of claim 1 wherein said IRM includes an integral modem to dial a server and transfer medical/patient data via FTP, PPP and TC/PIP protocols.

4. The data transfer system of claim 1 wherein said EPR engages said IRM via a docking port to allow data from the EPR to be downloaded.

25 5. The data transfer system of claim 4 wherein said docking port is adapted to accept and cradle said EPR for ease of use by the patient.

6. The data transfer system of claim 1 wherein said IRM includes ergonomic structures.

7. The data transfer system of claim 1 wherein said IRM includes a user interface system including visual displays, tones and correlated graphics.